

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018325.D
 Acq On : 20 May 2024 11:10
 Operator : SY/MD
 Sample : VY0520SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0520SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/21/2024
 Supervised By :Mahesh Dadoda 05/21/2024

Quant Time: May 21 01:21:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	162618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	283970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	76010	63.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.080%			
35) Dibromofluoromethane	7.710	113	81859	54.851	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.700%			
50) Toluene-d8	10.179	98	315572	53.660	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.320%			
62) 4-Bromofluorobenzene	12.477	95	100326	52.825	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	27253	21.132	ug/l	98
3) Chloromethane	2.107	50	40281	23.333	ug/l	99
4) Vinyl Chloride	2.247	62	47474	22.686	ug/l	98
5) Bromomethane	2.637	94	33336	22.937	ug/l	91
6) Chloroethane	2.784	64	31340	23.597	ug/l	94
7) Trichlorofluoromethane	3.119	101	54628	22.286	ug/l	99
8) Diethyl Ether	3.521	74	19402	24.044	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	33373	21.363	ug/l	96
10) Methyl Iodide	4.088	142	35270	19.334	ug/l	98
11) Tert butyl alcohol	4.948	59	19894	186.178	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	33239	21.136	ug/l	98
13) Acrolein	3.723	56	16945	143.002	ug/l	92
14) Allyl chloride	4.473	41	48646	24.315	ug/l	93
15) Acrylonitrile	5.149	53	42650	137.440	ug/l	98
16) Acetone	3.936	43	33172	138.946	ug/l	94
17) Carbon Disulfide	4.186	76	94195	22.001	ug/l	98
18) Methyl Acetate	4.466	43	19661	28.910	ug/l	96
19) Methyl tert-butyl Ether	5.210	73	86679	24.743	ug/l	99
20) Methylene Chloride	4.704	84	51761	30.674	ug/l	95
21) trans-1,2-Dichloroethene	5.204	96	35867	21.515	ug/l	90
22) Diisopropyl ether	6.112	45	97308	22.928	ug/l	97
23) Vinyl Acetate	6.045	43	324070	125.631	ug/l	100
24) 1,1-Dichloroethane	6.009	63	61141	23.390	ug/l	97
25) 2-Butanone	6.978	43	54946	143.979	ug/l	90
26) 2,2-Dichloropropane	6.978	77	52232	22.077	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	43678	22.171	ug/l	99
28) Bromochloromethane	7.326	49	21482	20.561	ug/l	90
29) Tetrahydrofuran	7.344	42	35230	139.854	ug/l	94
30) Chloroform	7.502	83	62121	22.764	ug/l	99
31) Cyclohexane	7.777	56	56568	23.149	ug/l	99
32) 1,1,1-Trichloroethane	7.698	97	54768	22.392	ug/l	99
36) 1,1-Dichloropropene	7.917	75	45496	21.265	ug/l	98
37) Ethyl Acetate	7.070	43	24604	27.324	ug/l #	97
38) Carbon Tetrachloride	7.899	117	47333	20.248	ug/l	99
39) Methylcyclohexane	9.179	83	65125	21.100	ug/l	97
40) Benzene	8.155	78	144252	20.961	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11931	22.945	ug/l #	74
42) 1,2-Dichloroethane	8.228	62	34758	23.213	ug/l	97
43) Isopropyl Acetate	8.265	43	45593	24.702	ug/l	94
44) Trichloroethene	8.941	130	37378	19.952	ug/l	95
45) 1,2-Dichloropropane	9.216	63	32733	21.756	ug/l	96
46) Dibromomethane	9.301	93	19350	22.372	ug/l	94
47) Bromodichloromethane	9.490	83	44781	20.943	ug/l	99
48) Methyl methacrylate	9.289	41	20737	24.514	ug/l	93
49) 1,4-Dioxane	9.295	88	5039	438.904	ug/l #	90
51) 4-Methyl-2-Pentanone	10.069	43	116388	125.461	ug/l	95
52) Toluene	10.240	92	89807	20.271	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	43675	21.868	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	52529	21.516	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	26301	22.136	ug/l	96
56) Ethyl methacrylate	10.508	69	34967	21.669	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	44300	22.909	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	73064	94.821	ug/l	97
59) 2-Hexanone	10.831	43	82942	127.871	ug/l	93
60) Dibromochloromethane	10.984	129	32490	21.076	ug/l	98
61) 1,2-Dibromoethane	11.087	107	25003	22.341	ug/l	97
64) Tetrachloroethene	10.715	164	33534	20.691	ug/l	96
65) Chlorobenzene	11.514	112	99776	20.126	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	31837	19.853	ug/l	99
67) Ethyl Benzene	11.593	91	170587	20.379	ug/l	96
68) m/p-Xylenes	11.703	106	131712	39.790	ug/l	99
69) o-Xylene	12.026	106	63870	20.106	ug/l	95
70) Styrene	12.044	104	106894	20.150	ug/l	97
71) Bromoform	12.209	173	18416	20.756	ug/l #	92
73) Isopropylbenzene	12.331	105	164454	19.688	ug/l	98
74) N-amyl acetate	12.142	43	39638	22.860	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	30591	22.958	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	20590m	23.089	ug/l	
77) Bromobenzene	12.605	156	37288	19.432	ug/l	98
78) n-propylbenzene	12.672	91	193070	19.872	ug/l	97
79) 2-Chlorotoluene	12.758	91	106472	19.721	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	132129	20.061	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	10115	21.854	ug/l	95
82) 4-Chlorotoluene	12.855	91	106967	19.724	ug/l	95
83) tert-Butylbenzene	13.075	119	119326	19.641	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	130145	20.171	ug/l	99
85) sec-Butylbenzene	13.251	105	176166	19.769	ug/l	99
86) p-Isopropyltoluene	13.367	119	147467	20.115	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	74127	20.003	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	73910	20.458	ug/l	98
89) n-Butylbenzene	13.696	91	135145	20.369	ug/l	100
90) Hexachloroethane	13.959	117	27910	19.406	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	64982	20.401	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4434	24.439	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	36481	20.373	ug/l	98
94) Hexachlorobutadiene	15.111	225	18540	18.765	ug/l	99
95) Naphthalene	15.233	128	70853	21.593	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	30685	20.881	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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